

Anti ATP citrate lyase pThr447, pSer451**Order No. PB-018****Antibody concentration: 0.08mg/ml****Amount per vial: 100µg****Lot No 1****Store at -20°C****Product description:**

Polyclonal, affinity purified antibody raised in sheep against the peptide SGSTSpTPAPpSRTAS, resembling residues 442-455 of rat human ACL Acc. Number P53396, phosphorylated at residue 447 and 451. Recognises human, mouse and rat.

Applications: Western blotting, Immunohistochemistry**Application advise**

Western blocking buffer: 5% dry milk, 50mM Tris pH 7.5, 150mM NaCl, 0.1% Tween.

1st Ab buffer: 1µg/ml antibody plus 5 - 10µg/ml dephospho peptide PT-018 (comes with PB-018) in western blocking buffer. Incubate for 4 to 16 hours at 4°C for optimal results.

Wash buffer: 50mM Tris pH 7.5, 150mM NaCl, 0.1% Tween.

2nd Ab buffer: HRP coupled anti sheep Pierce 31480 (1:10000) in western blocking buffer.

Background information

Ramakrishna et al., (1990) Biochemistry Vol. 29:7617-7624 mapped Thr447 and Ser541 of ATP citrate lyase as sites phosphorylated by a multifunctional protein kinase, which was also referred to as ATP citrate lyase kinase. This kinase was then identified as GSK3 by Hughes et al., (1992) Biochem J. 288:309–314.

For in vitro use only.

For research use only.

Not for clinical use or consumption.

Not for diagnostic use.

Do not inject in humans or animals.